

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449	ATTY. DOCKET NO. 02885/77	SERIAL NO. 10/764 159 To be assigned
	APPLICANT VORBACH et al.	
	FILING DATE Herewith 1/24/2004	GROUP 2186 To be assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
SE	RE34363	August 31, 1993	Freeman	326	38	—
SE	4,591,979	May 1, 1986	Iwashita	712	25	—
SE	4,706,216	November 10, 1997	Carter	365	94	—
SE	4,739,474	April 1, 1988	Holsztynski	712	14	—
SE	4,761,755	August 2, 1998	Ardini, et al.	712	27	—
SE	4,811,214	May 7, 1989	Nosenchuck et al.	712	11	—
SE	4,852,048	July 25, 1989	Morton	712	11	—
SE	4,860,201	August 22, 1989	Miranker et al.	712	11	—
SE	4,870,302	September 26, 1989	Freeman	326	41	—
SE	4,901,268	February 13, 1990	Judd	708	513	—
SE	4,967,340	October 30, 1990	Dawes	712	19	—
SE	5,014,193	May 7, 1991	Garner et al.	710	10	—
SE	5,015,884	May 14, 1991	Agrawal et al.	326	39	—
SE	5,021,947	June 4, 1991	Campbell et al.	712	25	—
SE	5,023,775	June 11, 1991	Poret	326	40	—
SE	5,043,978	January 14, 1992	Nagler et al.	370	380	—
SE	5,081,375	January 14, 1992	Pickett et al.	326	41	—
SE	5,109,503	April 28, 1992	Cruickshank et al.	703	24	—
SE	5,113,498	May 1, 1992	Evan et al.	710	8	—
SE	5,115,510	June 16, 1992	Okamoto et al.	712	26	—
SE	5,123,109	June 16, 1992	Hillis	712	22	—
SE	5,125,801	June 30, 1992	Nabity et al.	417	44.1	—
SE	5,128,559	July 7, 1992	Steele	326	38	—
SE	5,142,469	August 25, 1992	Weisenborn	700	17	—
SE	5,204,935	April 20, 1993	Mihara et al.	706	4	—
SE	5,208,491	May 4, 1993	Ebeling et al	326	41	—
SE	5,226,122	July 6, 1993	Thayer et al.	712	220	—
SE	5,233,539	August 3, 1993	Agrawal et al.	716	16	—

SE	5,247,689	September 21, 1993	Ewert	710	317	—
SE	5,287,472	February 15, 1994	Horst	365	189.08	—
SE	5,301,344	April 5, 1994	Kolchinsky	712	32	—
SE	5,303,172	April 12, 1994	Magar et al.	708	406	—
SE	5,336,950	August 9, 1994	Popli et al.	326	39	—
SE	5,361,373	November 1, 1994	Gilson	712	1	—
SE	5,418,952	May 23, 1995	Morley et al.	712	14	—
SE	5,421,019	May 30, 1995	Holsztynski et al.	712	14	—
SE	5,422,823	June 6, 1995	Agrawal et al.	716	16	—
SE	5,426,378	June 20, 1995	Ong	326	39	—
SE	5,430,687	July 1, 1995	Hung et al.	365	230.08	—
SE	5,440,245	August 8, 1995	Galbraith et al.	326	38	—
SE	5,440,538	August 15, 1995	Olsen et al.	370	228	—
SE	5,442,790	August 15, 1995	Nosenchuck	717	155	—
SE	5,444,394	August 22, 1995	Watson et al.	326	45	—
SE	5,448,186	September 5, 1995	Kawata	326	41	—
SE	5,455,525	October 3, 1995	Ho et al.	326	41	—
SE	5,457,644	October 10, 1995	McCollum	708	230	—
SE	5,473,266	December 5, 1995	Ahanin et al.	326	41	—
SE	5,473,267	December 5, 1995	Stansfield	326	41	—
SE	5,475,583	December 12, 1995	Bock et al.	708	12	—
SE	5,475,803	December 12, 1995	Stearns et al.	345	648	—
SE	5,483,620	January 9, 1996	Pechanek et al.	706	41	—
SE	5,485,103	January 16, 1996	Pedersen et al.	326	41	—
SE	5,485,104	January 16, 1996	Agrawal et al.	326	38	—
SE	5,489,857	February 6, 1996	Agrawal et al.	326	41	—
SE	5,491,353	February 13, 1996	Kean	257	208	—
SE	5,493,239	February 20, 1996	Zlotnick	326	38	—
SE	5,497,498	March 5, 1996	Taylor	710	104	—
SE	5,506,998	April 9 1996	Kato et al.	712	29	—
SE	5,510,730	April 23, 1996	El Gamal et al.	326	41	—
SE	5,511,173	April 23, 1996	Yamaura et al.	712	248	—
SE	5,513,366	April 30, 1996	Agarwal et al.	712	22	—
SE	5,521,837	May 28, 1996	Frankle et al.	716	10	—
SE	5,522,083	May 28, 1996	Gove et al.	712	22	—
SE	5,532,693	July 2, 1996	Winters et al.	341	51	—
SE	5,532,957	July 2, 1996	Malhi	365	154	—
SE	5,535,406	July 9, 1996	Kolchinsky	712	10	—

SE	5,537,057	July 1, 1996	Leong et al.	326	41	—
SE	5,537,601	July 1, 1996	Kimura et al.	712	35	—
SE	5,541,530	July 30, 1996	Cliff et al.	326	41	—
SE	5,544,336	August 6, 1996	Kato et al.	710	316	—
SE	5,548,773	August 20, 1996	Kemeny et al.	712	11	—
SE	5,555,434	September 10, 1996	Carlstedt	712	38	—
SE	5,559,450	September 24, 1996	Ngai et al.	326	40	—
SE	5,561,738	October 1, 1996	Kinerk et al.	706	4	—
SE	5,570,040	October 1, 1996	Lytle et al.	326	41	—
SE	5,583,450	December 10, 1996	Trimberger et al.	326	41	—
SE	5,586,044	December 17, 1996	Agrawal et al.	716	16	—
SE	5,587,921	December 24, 1996	Agrawal et al.	716	16	—
SE	5,588,152	December 24, 1996	Dapp et al.	712	16	—
SE	5,590,345	December 31, 1996	Barker et al.	712	11	—
SE	5,590,348	December 31, 1996	Phillips et al.	712	223	—
SE	5,596,742	April 1, 1997	Agarwal et al.	716	16	—
SE	5,617,547	May 1, 1997	Feeney et al.	710	316	—
SE	5,634,131	July 1, 1997	Matter et al.	713	322	—
SE	5,652,894	August 1, 1997	Hu et al.	713	322	—
SE	5,655,124	August 19, 1997	Lin	713	322	—
SE	5,659,797	August 19, 1997	Zandveld et al.	710	22	—
SE	5,713,037	February 10, 1998	Wilkinson et al.	702	33	—
SE	5,717,943	March 31, 1998	Barker et al.	712	20	6-95
SE	5,734,921	March 31, 1998	Dapp et al.	712	10	9-96
SE	5,742,180	April 21, 1998	Detton et al.	326	40	2-95
SE	5,748,872	May 19, 1998	Norman	714	11	3-96
SE	5,754,871	June 2, 1998	Wilkinson et al.	712	20	6-95
SE	5,761,484	July 1, 1998	Agarwal et al.	716	16	4-94
SE	5,778,439	September 1, 1998	Timberger et al.	711	153	8-95
SE	5,801,715	September 1, 1998	Norman	345	505	10-94
SE	5,828,858	November 1, 1998	Athanas	710	317	9-96
SE	5,838,165	December 1, 1998	Chatter	326	38	8-96
SE	5,844,888	December 1, 1998	Markkula, Jr. et al.	370	255	6-95
SE	5,867,691	April 1, 1999	Shiraishi	713	400	3-93
SE	5,892,961	June 22, 1999	Trimberger et al.	712	10	8-97
SE	5,915,123	Juy 27 1999	Mirsky et al.	712	16	10-97
SE	5,927,423	October 1, 1999	Wada et al.	180	209	3-98
SE	5,936,424	September 21, 1999	Young et al.	326	39	10-97

SE	5,956,518	January 1, 2000	DeHon et al.	712	15	4-96
SE	6,014,509	April 18, 2000	Furtek et al.	716	16	4-97
SE	6,052,773	April 1, 2000	DeHon et al.	713	100	6-95
SE	6,054,873	August 22, 2000	Laramie	326	39	6-99
SE	6,108,760	September 19, 2000	Mirsky et al.	711	203	10-97
SE	6,122,719	September 19, 2000	Mirsky et al.	712	15	10-97
SE	6,127,908	August 31, 1993	Bozler et al.	333	246	11-97
SE	5,294,119	3-94 July 1999	Vincent Simthure et al.	473	318	—
SE	5,611,049	3-97 March 1997	William M. Pitts	707	8	—
SE	5,943,242	August 1999	Vorbach et al.	716	17	11-95
SE	6,081,903	June 2000	Vorbach et al.	713	400	10-97
SE	6,021,490	February 2, 2000	Vorbach et al.	713	100	10-97
SE	6,038,650	March 2000	Vorbach et al.	711	219	10-97
SE	6,088,795	July 2000	Vorbach et al.	713	100	10-97
SE	6,119,181	September 2000	Vorbach et al.	710	100	10-97

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Abstract	
						YES	NO
SE	196 51 075	June 10, 1998	Germany	G06F	15/20	x	
SE	196 54 595	July 2, 1998	Germany	"	13/40	x	
SE	196 54 846	July 9, 1998	Germany	"	9/445	x	
SE	197 04 728	August 13, 1998	Germany	"	1/12	x	
SE	0 221 360	May 13, 1987	Europe	"	15/16	x	
SE	0 678 985	October 25 1995	Europe	H03K	19/177	x	
SE	0 726 532	August 14, 1996	Europe	G06F	15/80	x	
SE	0 428 327A1	May 22, 1991	Europe	G06F	15/150	x	
SE	0 539 596A1	May 5, 1993	Europe	D04H	1/42	x	
SE	735 685	October 2, 1996	Europe	H03K	19/00	x	
SE	95/00161	January 5, 1995	WO	A61K	37/02	x	
SE	95/26001	September 28, 1995	WO	G06F	11/20	x	
SE	44 16 881	November 17, 1994	Germany	G06F	15/80	x	
SE	0 748 051A2	December 11, 1996	Europe	H03K	19/177	x	
SE	94/08399	April 14, 1994	WO	H03K	19/177	x	
SE	A90/04835	May 3, 1990	WO	G06F	15/80	x	
SE	A93/11503	June 10, 1993	WO	G06F	15/80	x	
SE	90/11648	October 4, 1990	WO	H03K	19/173	x	
SE	0707269A1	April 17 1996	EP	—	—	x	
	0 686 915A	December 13, 1995	EP	—	—	x	

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
SE	K. WADA, et al, "A Performance Evaluation of Tree-Based Coherent Distributed Shared Memory" Proceedings of the Pacific Rim Conference on Communications, Comput and Signal Processing, Victoria, May 19-21, 1993.
SE	Nilsson et al., "The Scalable Tree Protocol - A Cache Coherence Approach for Large-Scale Multiprocessors", IEEE, pp. 498-506, December 1992.
SE	Wu et al., "A New Cache Directory Scheme", IEEE, pp. 466-472, June 1996.
SE	Bitner, Ray, A., Jr., "Wormhole Run-Time Reconfiguration: Conceptualization and VLSI Design of a High Performance Computing System: Dissertation, January 23, 1997, pp. i-xx, 1-415
SE	Athanas, Peter, et al., "IEEE Symposium on FPGAs For Custom Computing Machines," IEE Computer Society Press, April 19-21, 1995 pp. i-vii, 1-222.
SE	M. Morris Mano, "Digital Design," by Prentice Hall, Inc., Englewood Cliffs, New Jersey 07632, 1984, pp. 119-125, 154-161.
SE	M. Saleeba, "A Self-Contained Dynamically Reconfigurable Processor Architecture", Sixteenth Australian Computer Science Conference, ASCS-16, QLD, Australia, February, 1993.
SE	Maxfield, C. "Logic that Mutates While-U-Wait" EDN (Bur. Ed.) (USA), EDN (European Edition), 7 November 1996, Cahners Publishing, USA.
SE	Myers, G., Advances in Computer Architecture Wiley-Interscience Publication, 2nd ed., John Wiley & Sons, Inc. Pgs. 463-94, 1978.
SE	Norman, Richard S., Hyperchip Business Summary, The Opportunity, January 31, 2000, pages 1-3.
SE	Villasenor, John, et al., "Configurable Computing Solutions for Automatic Target Recognition," IEEE, 1996 pp. 70-79.
SE	Villasenor, John, et al., "Configurable Computing," Scientific American, Vol. 276, No. 6, June 1997, pp. 66-71.
SE	*Hauck, "The Roles of FPGA's in Reprogrammable Systems," IEEE, April 1998, pp 615-638
SE	*Wittig et al., "OneChip: An FPGA Processor with Reconfigurable Logic," IEEE, 1996, pp 126-135
SE	*Cadambi et al., "Managing Pipeline-Reconfigurable FPGAs," ACM, 1998, pp 55-64

*Reference cited by Examiner in a prior application

EXAMINER	S. Elmon	DATE CONSIDERED	10/28/2004
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			